FIM31 — PROGRAMMING IN C

Time : Three hours   Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Define Variable.

2. List any TWO importance of C.

3. What is called Branching?

4. Define conditional operator.

5. What is called an Array?

6. Define Pointer.

7. What is known as function?

8. Define Recursion.

9. What is the difference between structure and union?

10. What is called File?

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SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Explain the History of C.

Or

(b) Discuss the Structure of C program.

12. (a) Illustrate the usage of switch statement.

Or

(b) Explain the usage of goto statement with example.

13. (a) Discuss the steps for declaring and using one dimensional array with example.

Or

(b) Elucidate any four string handling functions.

14. (a) Illustrate the basic forms of C function.

Or

(b) Describe the concept of Call by Reference with example.

15. (a) Explain the process of structure initialization in detail.

Or

(b) Discuss the concept of command line arguments with suitable example.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. List and explain any five types of operators in C.

17. Describe the process of managing input operators in C.

18. Explain the concept of Read and Write text with example.

19. Illustrate the Nesting of functions in detail.

20. Discuss in detail about Dynamic Memory Allocation.